

ABSTRACT

Disclosed herein are an anisotropically conductive connector, by which good conductivity is retained over a long period of time even when it is used repeatedly over many times or repeatedly used under a high-temperature environment, and applications thereof. The anisotropically conductive connector is an anisotropically conductive connector having an elastic anisotropically conductive film, in which a plurality of conductive parts for connection extending in a thickness-wise direction of the film have been formed. The elastic anisotropically conductive film has initial properties that supposing that the total number of the conductive parts for connection is Y , an electric resistance of the conductive part for connection in a state that a load of $Y \times 1$ g has been applied to the elastic anisotropically conductive film in a thickness-wise direction thereof is R_{1g} , and an electric resistance of the conductive part for connection in a state that a load of $Y \times 6$ g has been applied to the elastic anisotropically conductive film in the thickness-wise direction is R_{6g} , the number of conductive parts for connection that R_{1g} is lower than 1Ω is at least 90% of the total number of the conductive parts for connection, the number of conductive parts for connection that R_{6g} is lower than 0.1Ω is at least 95% of the total number of the conductive parts for connection, and the number of conductive parts for connection that R_{6g} is at least 0.5Ω is at most 1% of the

total number of the conductive parts of connection.